

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on page 12, line 16, as follows:

Next, the sampled IF sequence is multiplied with the sequence $e^{-j\omega_{IF}iT_{s1}}$ in multiplier [[26]] 23, whereby the sampling period is defined by $T_{s1} = 1/f_{s1}$. This complex multiplication effects a spectral shift from the IF frequency f_{IF} to base band.